

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method of predictive predownloading of next objects with delta encoding, including steps of:

receiving from a client a request for an object ~~a web page~~;
updating a prediction map in response to the said request and a referring web page that indicates an object just previously requested by the client for said request, the said prediction map associating the requested object said web page with at least one next objects likely to be requested page;
maintaining for ~~said web page~~ a stored set of templates for the requested object;
calculating delta information for one particular template of the stored , ~~wherein~~
said set of templates ~~include at least one template for said at least one next page~~; and
sending to the client (i) a hint that includes a suggestion to download a said template for at least one next object based on the prediction map page,
and (ii) delta information for the requested object that specifies the particular template ~~said web page to said client~~.

2. (Currently Amended) The [[A]] method of as in claim 1 wherein the requested object comprises a , ~~including the step of integrating said template with said delta information and presenting said web page to said client~~.
3. (Currently Amended) The [[A]] method of as in claim 1 [[,]] wherein the hint comprises information to be stored in a client cache ~~said referring page includes a reference to an object previously requested by said client~~.

4. (Currently Amended) The [[A]] method of ~~as in claim 1~~ wherein the , ~~also including a step of sending~~ step comprises sending to the ~~a hint to said client~~ the , ~~wherein said hint includes a suggestion to download at least one said next object page or the template for that next page.~~
5. (Currently Amended) The [[A]] method of ~~as in claim 1~~ [[,]] wherein the maintaining step comprises ~~including steps of calculating new delta information for said web page; and conditionally building a new template in response to said new delta information; wherein said new template is built when~~ the ~~said new delta information exceeds a selected threshold.~~
6. (Currently Amended) The [[A]] method of ~~as in claim 1~~ [[,]] wherein the maintaining step comprises ~~including steps of determining a~~ the ~~number of changes made to a set of selected objects~~ [[;]] ~~and conditionally building a new template in response to said number of changes; wherein said new template is built when~~ the ~~said~~ number of changes exceeds a selected threshold.
7. (Currently Amended) The [[A]] method of ~~as in claim 6~~ [[,]] wherein the , ~~wherein said selected threshold includes a reference to one or more of the following: object age, object size, object type and operator selection.~~

8. (Currently Amended) An apparatus for predictive predownloading ~~download~~ of templates with delta encoding, including:
a delta encoder configured to calculate ~~wherein said delta encoder calculates~~ delta information for a requested web page responsive to a stored set of templates ~~and evaluates the size of the delta information with respect to a threshold value~~;
a template builder configured to build ~~wherein said template builder calculates a new template for the requested said web page if the delta information for the requested said web page exceeds a said threshold value~~; and
a predictor configured to determine ~~wherein said predictor determines a set of next web pages likely to be requested in response to the requested from said web page and a referring page that indicates a web page just previously requested, the predictor also interacts with the said template builder to build a template for at least one of the set of each next web pages~~.
9. (Currently Amended) ~~The~~ An apparatus of ~~as in claim 8~~[[,]] wherein the said threshold value includes a reference to one or more of the following: object age, object size, object type and operator selection.
10. (Currently Amended) ~~The~~ An apparatus of ~~as in claim 8~~[[,]] wherein the said template builder builds the ~~calculates at least one template of the set of for at least one next web pages~~.
11. (Currently Amended) ~~The~~ An apparatus of ~~as in claim 8~~[[,]] wherein the said predictor generates a hint that ~~wherein said hint includes suggestions to a client what next object to download next~~.
12. (Currently Amended) ~~The~~ An apparatus of ~~as in claim 11~~[[,]] wherein the said hint includes URLs of templates for likely next pages.

13. (Currently Amended) The ~~An~~ apparatus of ~~as in~~ claim 11~~[[,]]~~ wherein the ~~said~~ hint includes information to be stored ~~for storing said template~~ in ~~said~~ a client cache.
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)
18. (Canceled)
19. (New) The apparatus of claim 11 further including a message generator configured to send to a client (i) the hint and (ii) delta information for the requested web page.
20. (New) The apparatus of claim 19 wherein the message generator is configured to send to a client the next object identified by the hint.